Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

	Cubstitute for form	1449B/F	PTO	Complete if Known		
	INFORMATION DIS			Application Number	10/805,807	
AUS 2 7 2004STATEMENT BY APPLICANT				Filing Date	03/22/2004	
(12)	Date Submitted: Aug	suct 27	2004	First Named Inventor	Ashish Singhal	
`				Group Art Unit	2856	
A Diagonal	ûse as many sheets	as nec	essary)	Examiner Name	To be determined	
Sheet	Use as many sheets	of	3	Attorney Docket Number	081445-0359	

				U.S. PATENT DOCUMENTS	3	
Examiner Initials*		U.S. Patent Document			Date of Publication of	Pages, Columns, Lines, Where Relevant
	Cite No. ¹	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear

					FC	REIGN PATENT DOCUMEN	rs		
Examiner Initials*	Cite No.1	For Office ³	eign Patent [Number ⁴	Ocument Kind Co	de⁵	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
				-					
									+-

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ ⁶
JY	A1	DIEBOLD, F. X.; "Elements of Forecasting"; South-Western College Publishing, Cincinnati, OH (1998); Pages 30-31.	
	A2	IGLEWICZ, B. and HOAGLIN, D. C.; "How to Detect and Handle Outliers"; American Society for Quality; Milwaukee, WI (1993); Pages 32-33.	
	А3	KUNT, M.; "Digital Signal Processing"; Artech House; Norwood, MA (1986); Pages 125-143.	
	A4	MONTGOMERY, D. C. and RUNGER, G. C.; "Applied Statistics and Probability for Engineers"; John Wiley; NY (1994); Chapter 14; Pages 831-865.	
	A5	SHESKIN, D. J.; "Handbook of Parametric and Nonparametric Statistical Procedures; Chapman & Hall/CRC; Boca Raton, FL; 2 nd edn. (2000); Pages 390-392.	
All	A6	TECHNICAL ASSOCIATES; "Concentrated Vibration Signature Analysis and Related Condition Monitoring Techniques"; Technical Associates of Charlotte, P.C.; Charlotte, NC (2002); Chapter 3.	

001,1683	3433.1					
Examiner Signature	Jacques	fent 1	£	Date Considered	03/	01/01

^{*}EXAMINER: Initial if reference considered/whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control

	Substitute f	or form 1449B	/PTO				
	INFORMAT	ION DISCLO	SURE	Application Number	10/805,807		
STATEMENT BY APPLICANT				Filing Date	03/22/2004		
	Data Cubacité	adı Alımını O	7 2004	First Named Inventor	Ashish Singhal		
	Date Submitt	ea: August Z	7, 2004	Group Art Unit	2856		
	(use as many	sheets as ne	cessary)	Examiner Name	To be determined		
Sheet	2	of	3	Attorney Docket Number	081445-0359		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ ⁶
TOP AT		ZANI, S., RIANI, M. and CORBELLINI, A.; "Robust Bivariate Boxplots and Multiple Outlier Detection"; Computational Statistics & Data Analysis; 28 (1998); Pages 257-270.	
	A8	ROSNER, B.; "Percentage Points for a Generalized ESD Many-Outlier Procedure"; Technometrics; 25 (1983); Pages 162-172.	
	A9	SHEATHER, S. J. and JONES, M. C.; "A Reliable Data-Based Bandwidth Selection Method for Kernel Density Estimation"; J. Royal Statistical Soc. Ser.; B; 53 (1991) Pages 683-690.	
	A10	WATTS, B. and VANDYKE, J., SR.; "An Automated Vibration-Based Expert Diagnostic System"; Sound and Vibration; 27(9) (1993); Pages 14-20.	
	A11	WORDEN, K.; "Damage Detection Using Multivariate Statistics, Part II: Kernel Density Estimation"; In Proc. Intl. Conf. On Noise and Vibration Engr. (ISMA-23); Leuven, Belguim (1998); 9 Pages.	
	A12	MARRON, J. S. and RUPPERT, D.; "Transformations to Reduce Boundary Bias in Kernel Density Estimation"; J. Royal Statistical Society Ser. B; 56 (1994); Pages 653-671.	
	A13	PARK, B. U. and TURLACH, B. A.; "Practical Performance of Several Data Driven Bandwidth Selectors"; Computational Statistics; 7 (1992); Pages 251-270.	
	A14	JONES, M. C.; "Simple Boundary Correction for Kernel Density Estimation"; Statistics and Computing; 3 (1993); Pages 135-146.	
H N	A15	MARCAL, R. F. M., NEGEREIROS, M., SUSIN, A. A. and KOVALESKI, J. L.; "Detecting Faults in Rotating Machines"; IEEE Instrum. & Meas. Mag.; 3(4) (2000); Pages 24-26.	

001.16834	33.1			
Examiner Signature	Tacques	fait f	Date Considered	03/01/01

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document by the appropriate symbols as Indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

	Substitute f	or form 1449B	/PTO	Complete if Known		
	INFORMAT	ON DISCLO	SURE	Application Number	10/805,807	
STATEMENT BY APPLICANT				Filing Date	03/22/2004	
	Data Culturit	adi Avariat 7	7 2004	First Named Inventor	Ashish Singhal	
	Date Submitt	ea: August z	1, 2004	Group Art Unit	2856	
•	(use as many	sheets as ne	ecessary)	Examiner Name	To be determined	
Sheet	3	of	3	Attorney Docket Number	081445-0359	

		NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(publisher, city and/or country where published.					
W	A16	FORSTER, J. J.; "Estimating the Survival Distribution"; In Lecture Notes in Survival Analysis; School of Mathematics, University of Southampton, Highfield, UK; (2003); 27 Pages; http://www.maths.soton.ac.uk/staff/JJForster/Teaching/Math6021.					
	A17	CARONI, C. and PRESCOTT, P.; "Sequential Application of Wilk's Multivariate Outlier Test"; Appl. Statistics; 41; (1992); Pages 335-364.					
	A18	CAREY, V. J., WAGNER, C. G., WALTERS, E. E. and ROSNER, B. A.; "Resistant and Test-Based Outlier Rejection: Effects on Gaussian One-and Two-Sample Inference"; Technometrics; 39; (1997) Pages 320-330.					
	A19	BERRY, J. E., "Proven Method for Specifying Both Spectral Alarm Bands as Well as Narrowband Alarm Envelopes Using Today's Condition Monitoring Software Systems:, Technical Associates of Charlotte, PC, Charlotte, NC, 4 th edn. (2002), 59 Pages.					
	A20	DUDA, R. O., HART, P.E. and STORK, D. G., Pattern Classification, "Nonparametric Techniques", John Wiley, NY, 2 nd edn. (2001), Chapter 4, Pages 161-200.					
	A21	SCOTT, D. W., "Multivariate Density Estimation: Theory, Visualization and Practice", John Wiley, NY (1992) Chapters 6 & 7.					
	A22	SILVERMAN, B.W., "Density Estimation for Statistics and Data Analysis", Chapman & Hall, London (1986), whole book.					
	A23	VENABLES, W. N. and RIPLEY, B. D., "Modern Applied Statistics with S. Springer, NY, 4th edn. (2002), Chapter 13.					
- No	A24	WAND, M.P. and M. C. JONES, "Kernel Smoothing", Chapman & Hall/CRC, Boca Raton, FL (1995), Chapters 2, 3 and 4.					

001.16834	433.1			
Examiner Signature	Jacques	fath	Date Considered	03/05/05

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.